FIG. 1

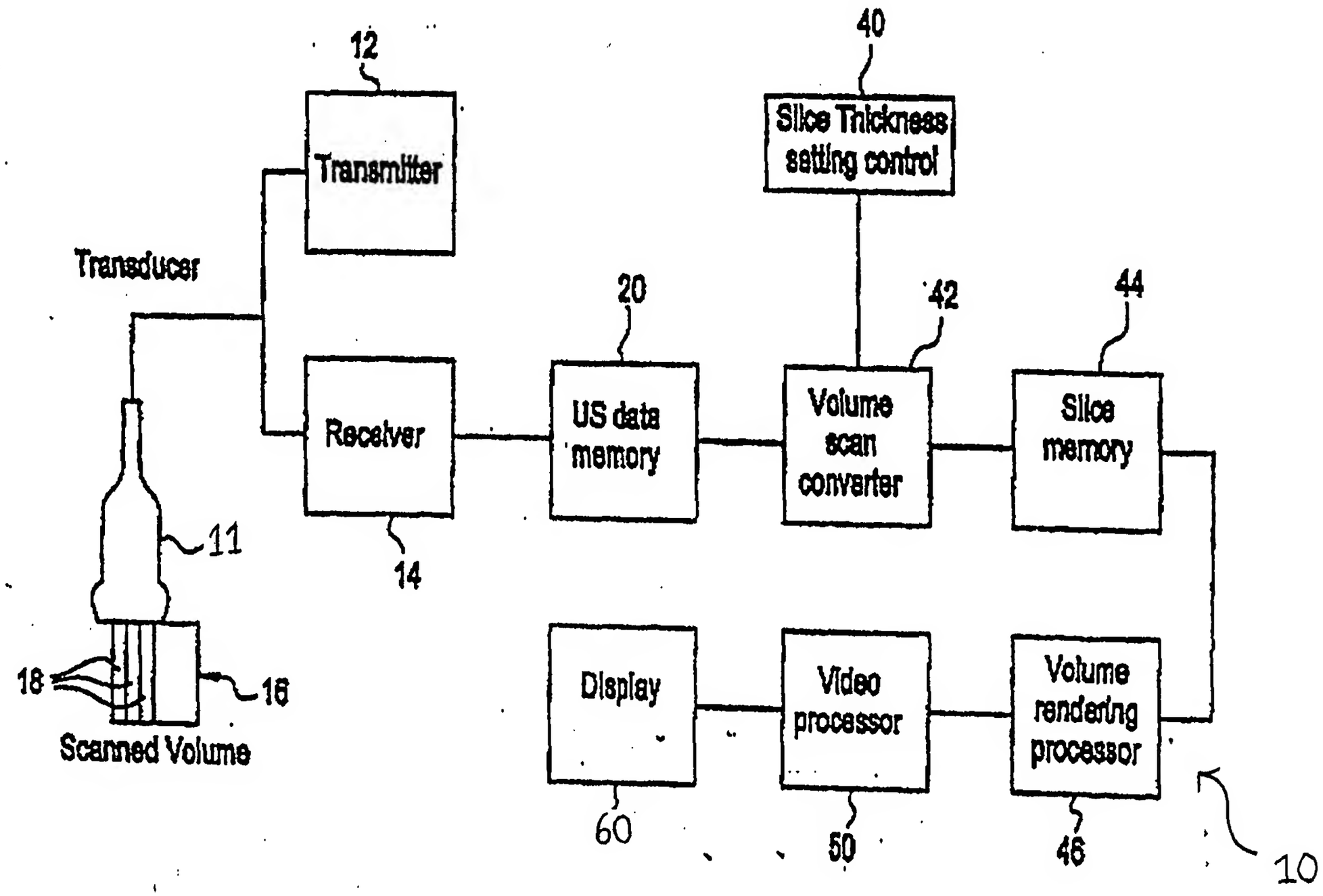

12
Transmitter
Transducer
11
18
16
Scanned Volume
Receiver
14
20
US data memory
40
Slice Thickness setting control
42
Volume scan converter
44
Slice memory
Display
60
Video processor
50
Volume rendering processor
46
10

FIG. 2

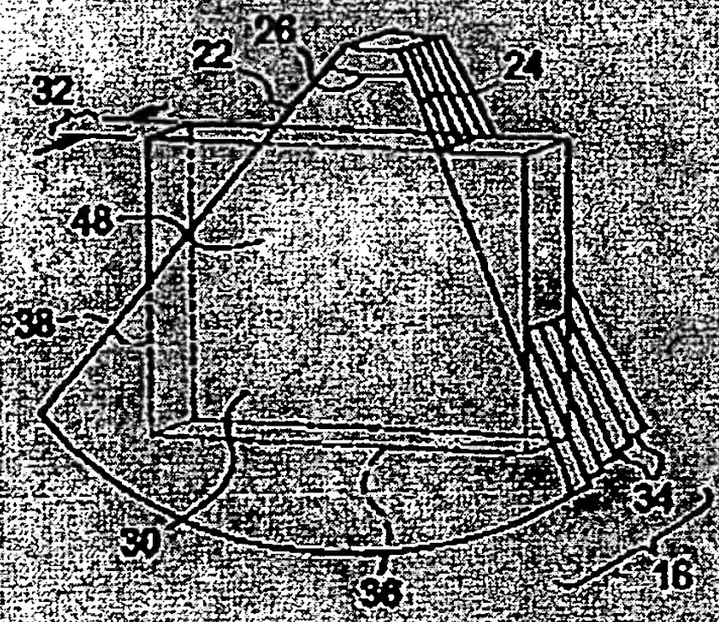
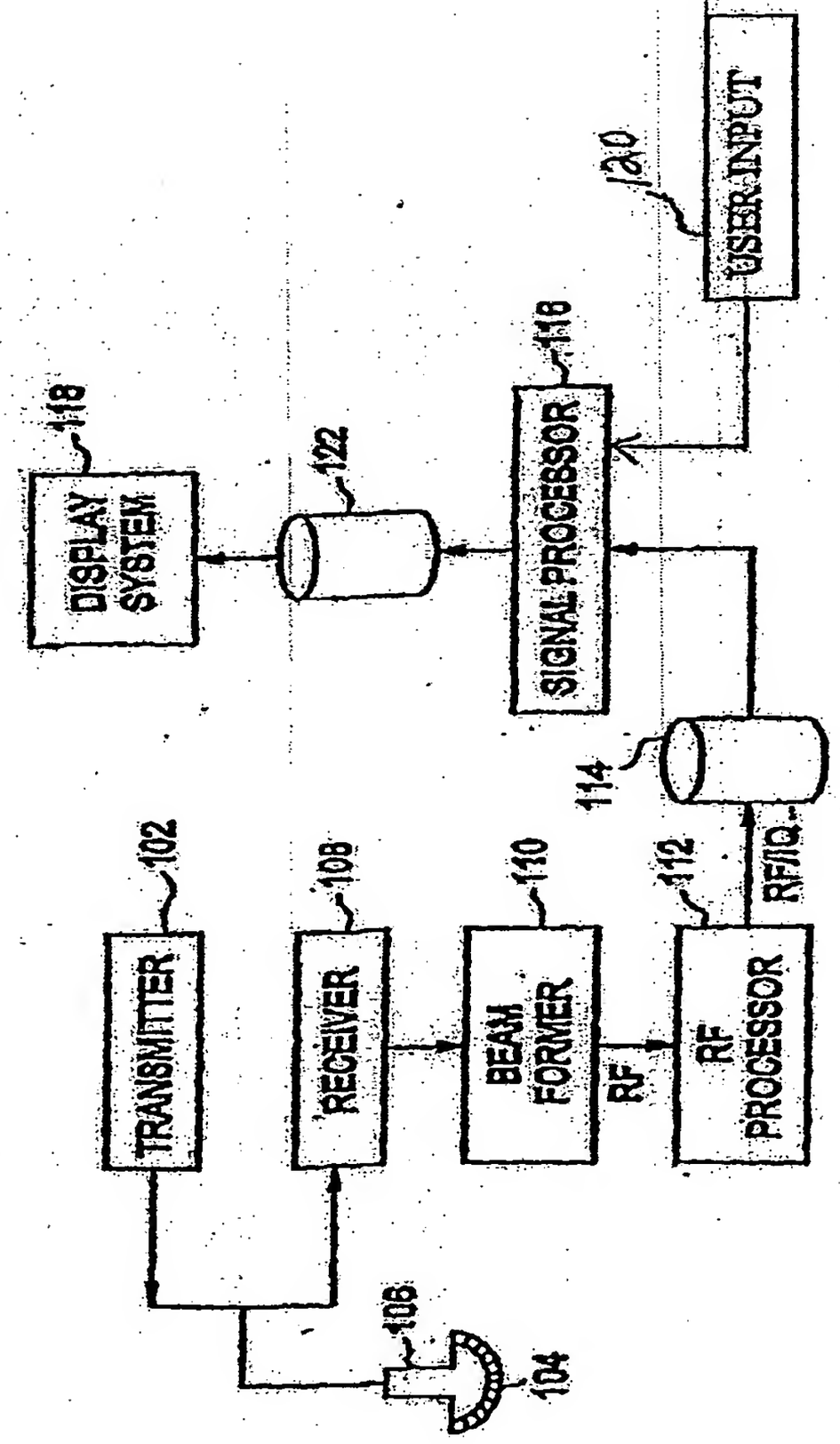


FIG. 3


USER INPUT
120
118
DISPLAY SYSTEM
122
SIGNAL PROCESSOR
114
RF/IQ
112
RF PROCESSOR
RF
110
BEAM FORMER
108
RECEIVER
102
TRANSMITTER
106
104
100

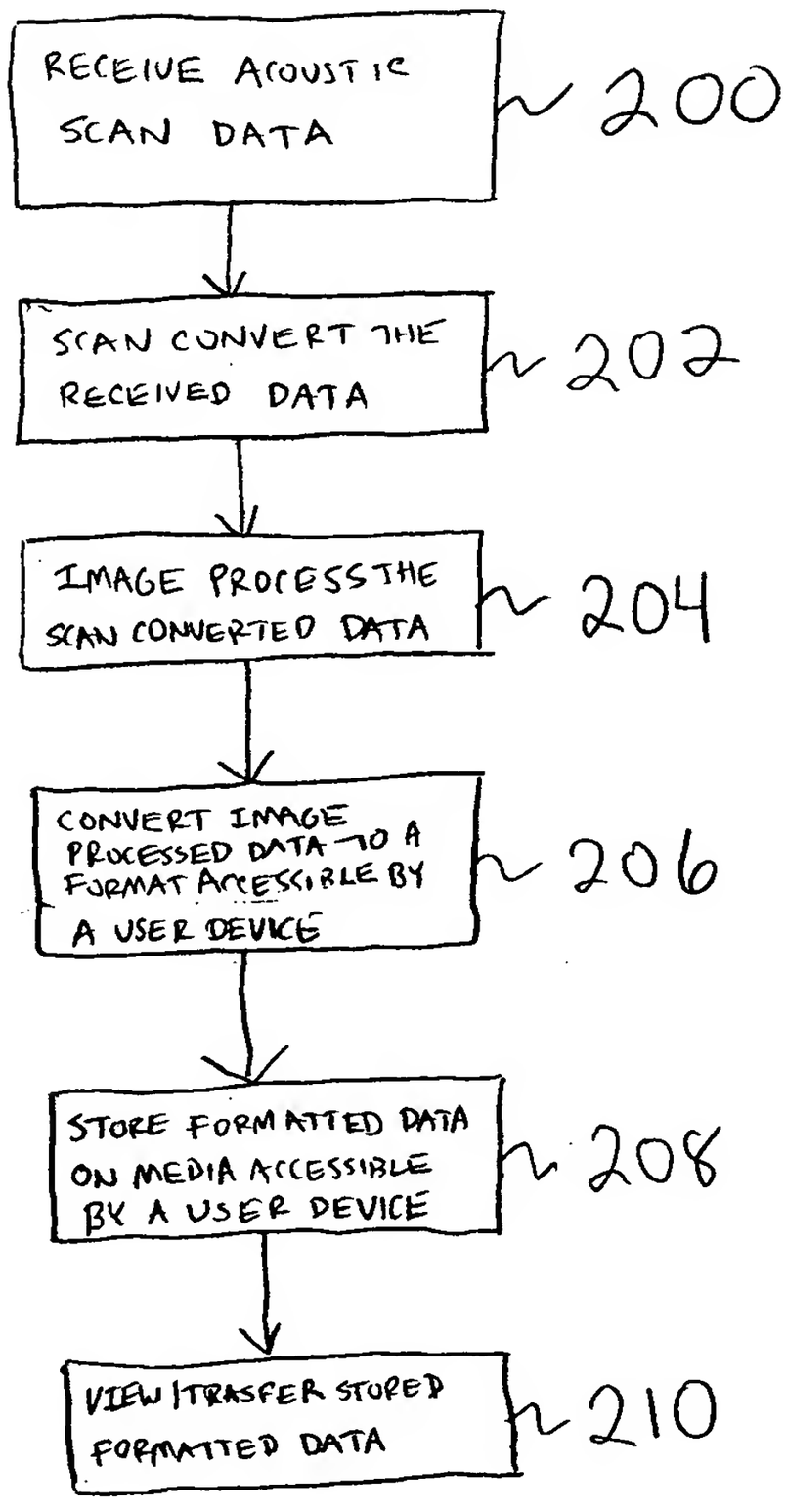

RECEIVE ACOUSTIC SCAN DATA
200
SCAN CONVERT THE RECEIVED DATA
202
IMAGE PROCESS THE SCAN CONVERTED DATA
204
CONVERT IMAGE PROCESSED DATA TO A FORMAT ACCESSIBLE BY A USER DEVICE
206
STORE FORMATTED DATA ON MEDIA ACCESSIBLE BY A USER DEVICE
208
VIEW/TRASFER STORED FORMATTED DATA
210

FIG. 4

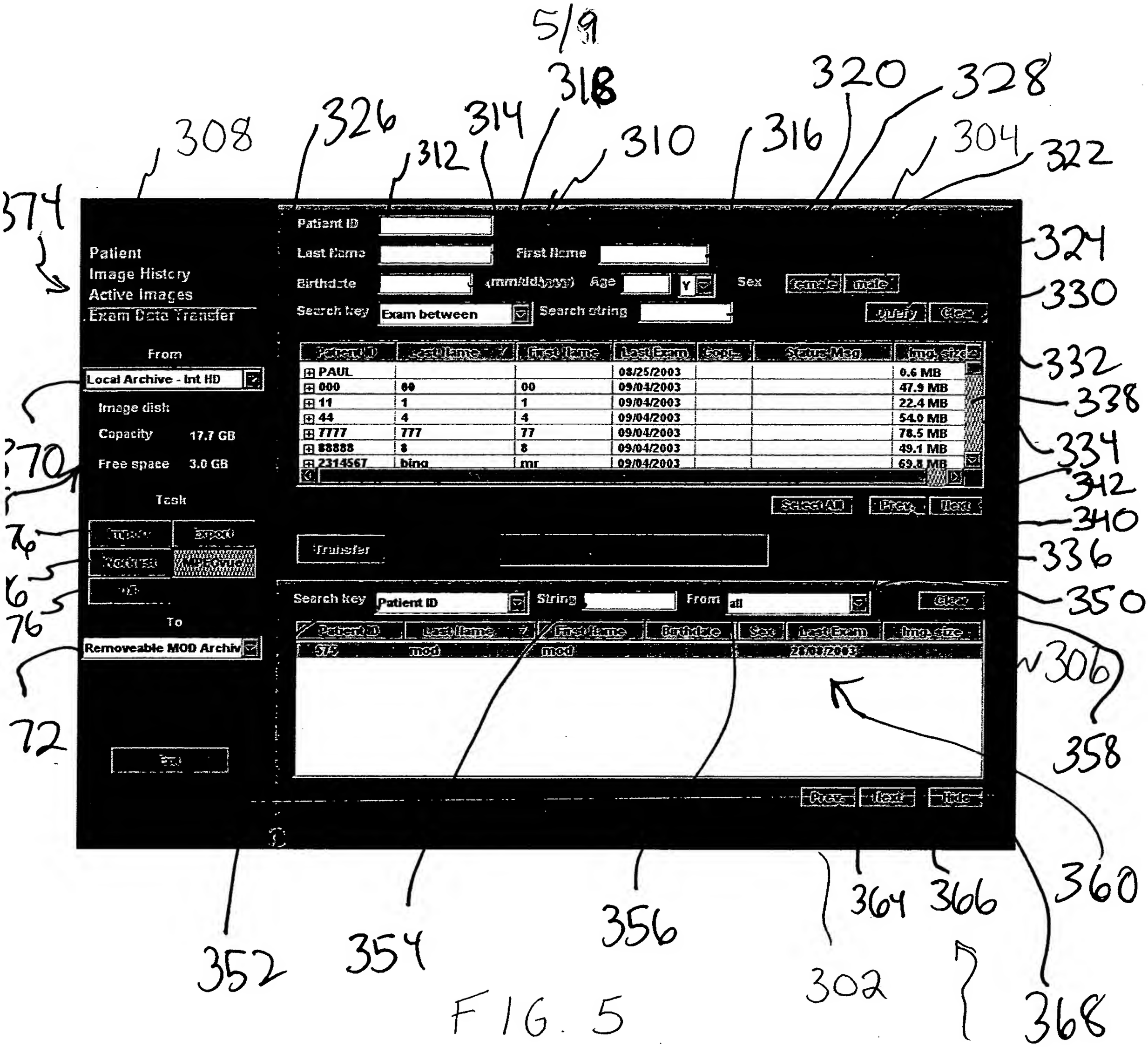

Patient
Image History
Active Images
Exam Data Transfer
From
Local Archive - Int HD
Image disk
Capacity 17.7 GB
Free space 3.0 GB
Task
To
Removeable MOD Archiv
Patient ID
Last Name
First Name
Birthdate
Age
Sex
female
male
Search key
Exam between
Search string
Query
Clear
Patient ID
Last Name
First Name
Last Exam
Stat
Status Msg
Img size
PAUL 08/25/2003 0.6 MB
000 00 00 09/04/2003 47.9 MB
11 1 1 09/04/2003 22.4 MB
44 4 4 09/04/2003 54.0 MB
7777 77 77 09/04/2003 78.5 MB
88888 8 8 09/04/2003 49.1 MB
2314567 bing mr 09/04/2003 69.8 MB
Select All
Prev
Next
Transfer
Search key
Patient ID
String
From
all
Clear
Patient ID
Last Name
First Name
Birthdate
Sex
Last Exam
Img size
575 mod mod 2003
Prev
Next
Hide

FIG. 5

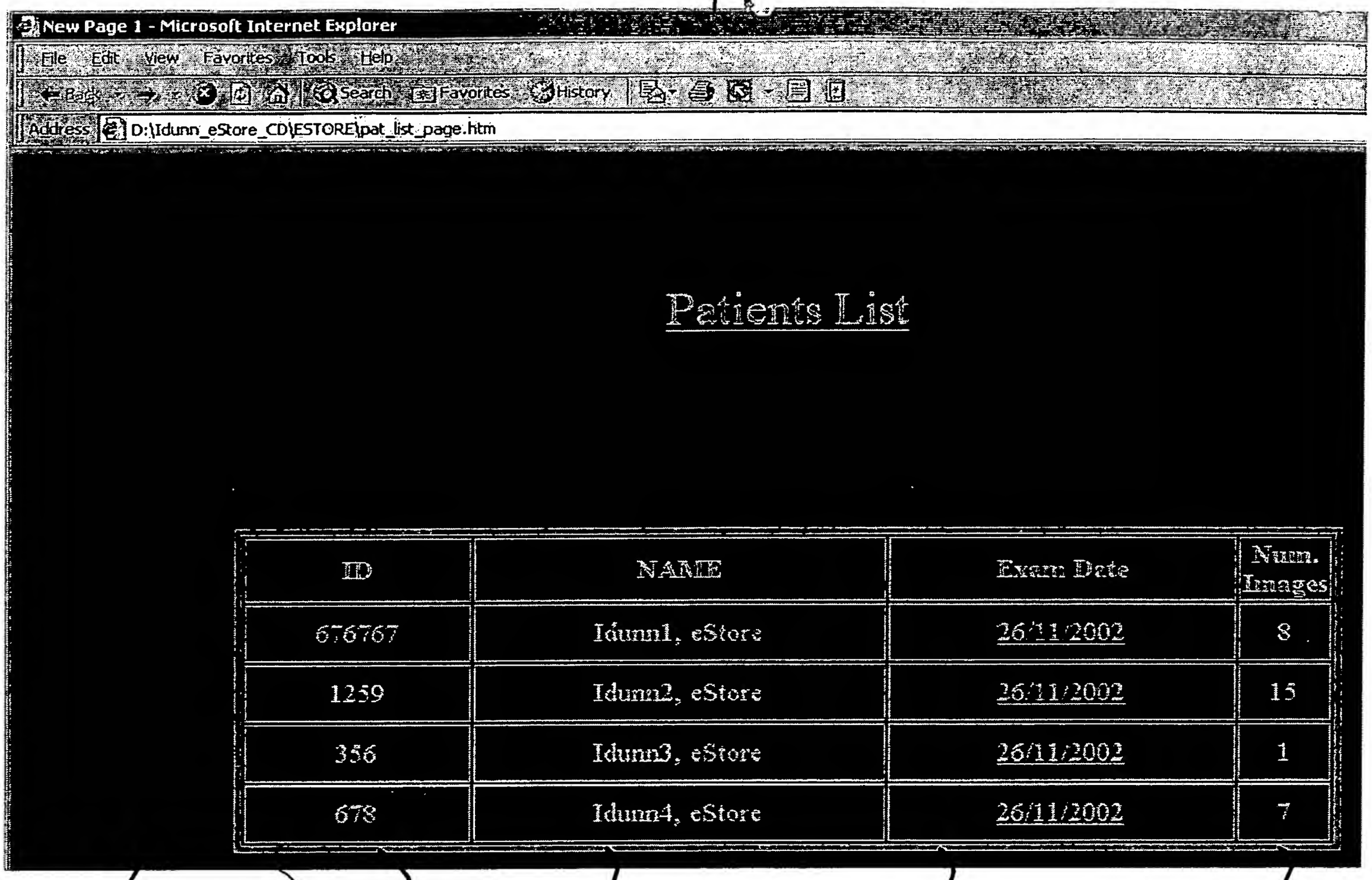

New Page 1 - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address D:\Idunn_eStore_CD\ESTORE\pat_list_page.htm
Patients List
ID
NAME
Exam Date
Num. Images
676767
Idunn1, eStore
26/11/2002
8
1259
Idunn2, eStore
26/11/2002
15
356
Idunn3, eStore
26/11/2002
1
678
Idunn4, eStore
26/11/2002
7
404
402
406
408
410
412
400

FIG. 6

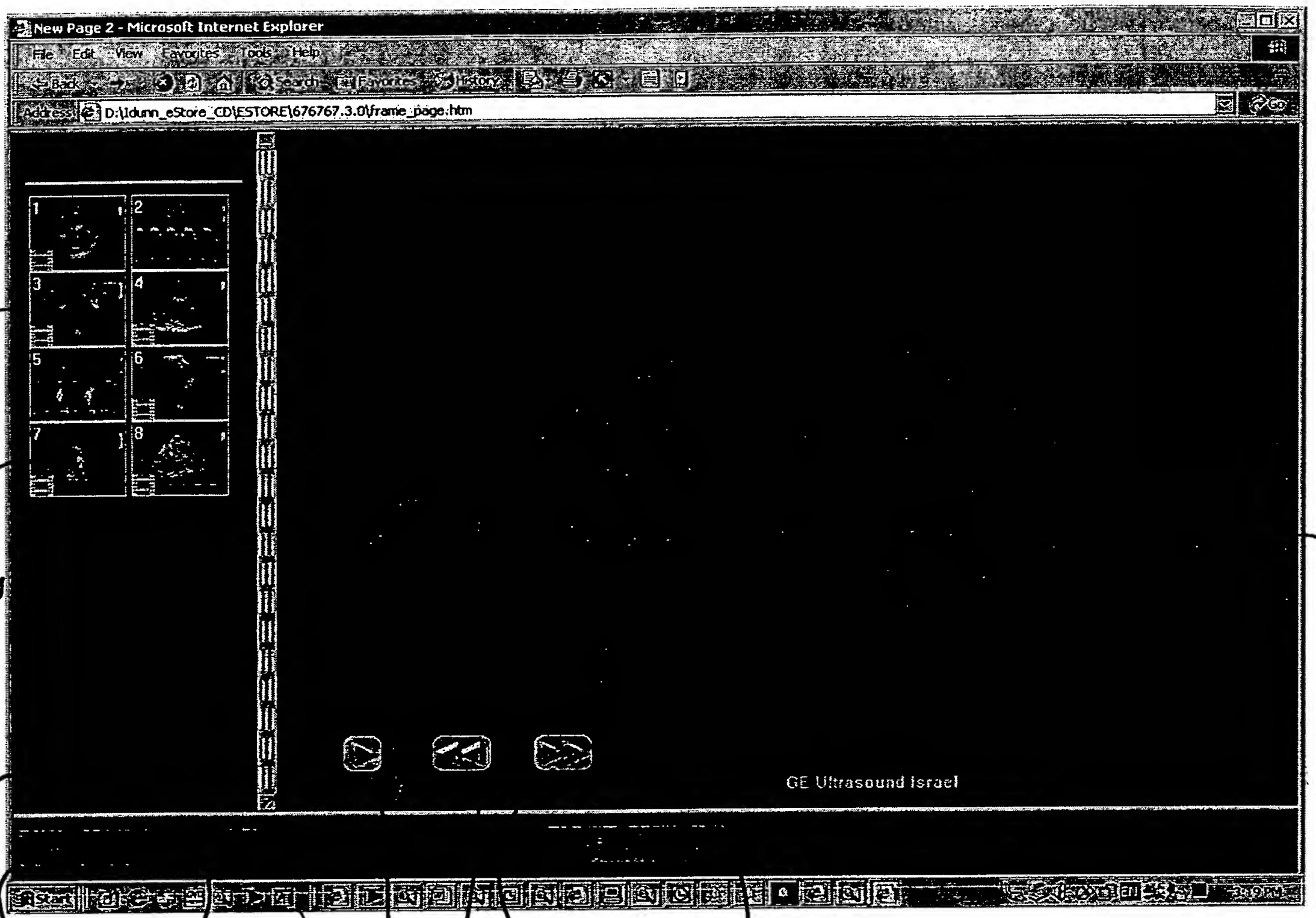

New Page 2 - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address D:\Idumn_eStore_CD\ESTORE\676767.3.0\frame_page.htm
1
2
3
4
5
6
7
8
GE Ultrasound Israel
426
426
428
430
420
436
434
432
438
424
422
400

FIG. 7

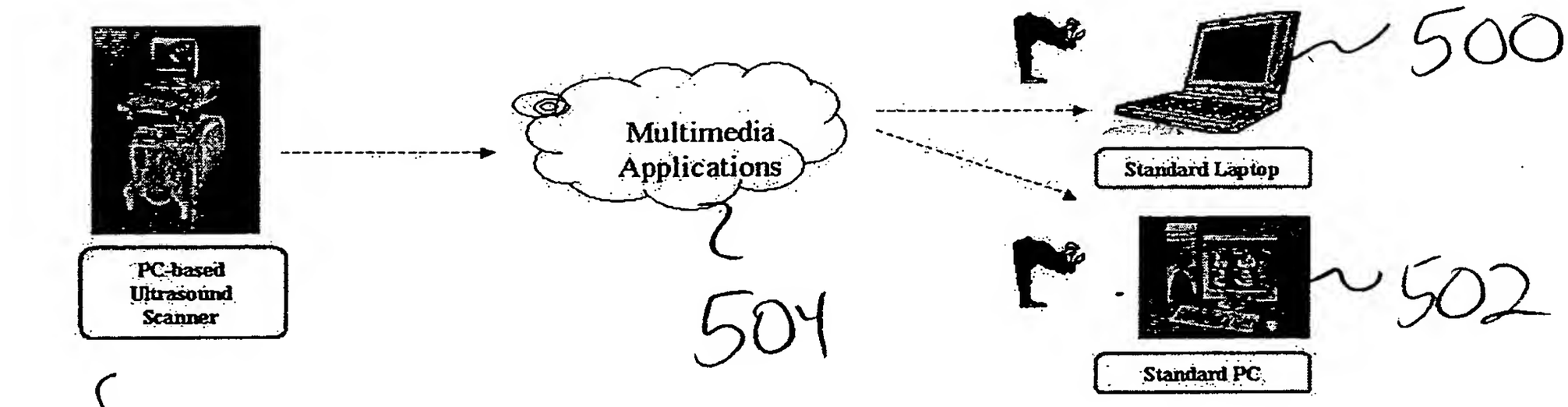

PC-based
Ultrasound
Scanner
Multimedia
Applications
Standard Laptop
Standard PC
500
502
504
10

FIG. 8A

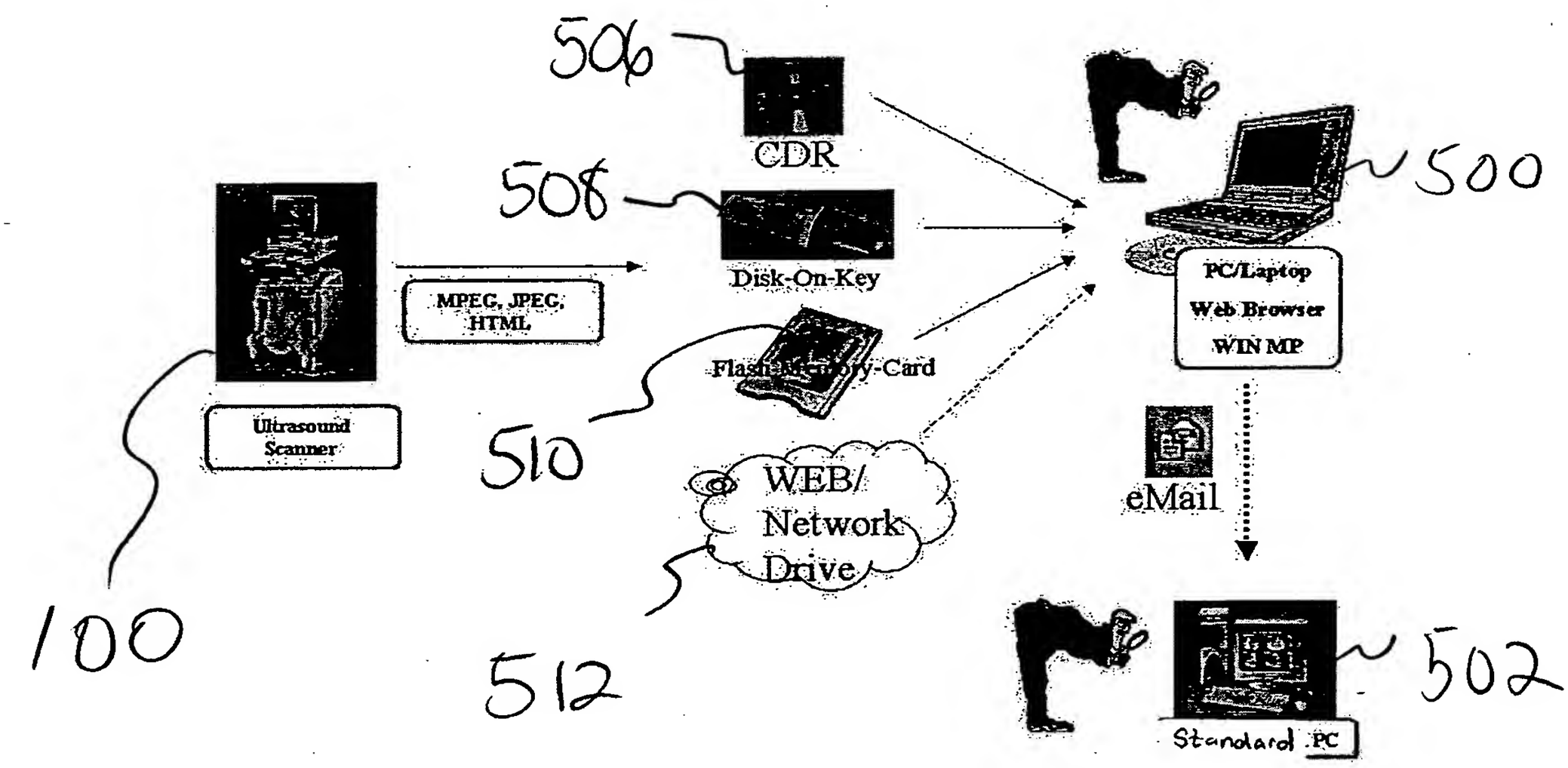

506
CDR
508
Disk-On-Key
MPEG, JPEG,
HTML
Ultrasound
Scanner
510
WEB/
Network
Drive
512
eMail
PC/Laptop
Web Browser
WIN MP
500
502
100
Standard PC

FIG. 8B

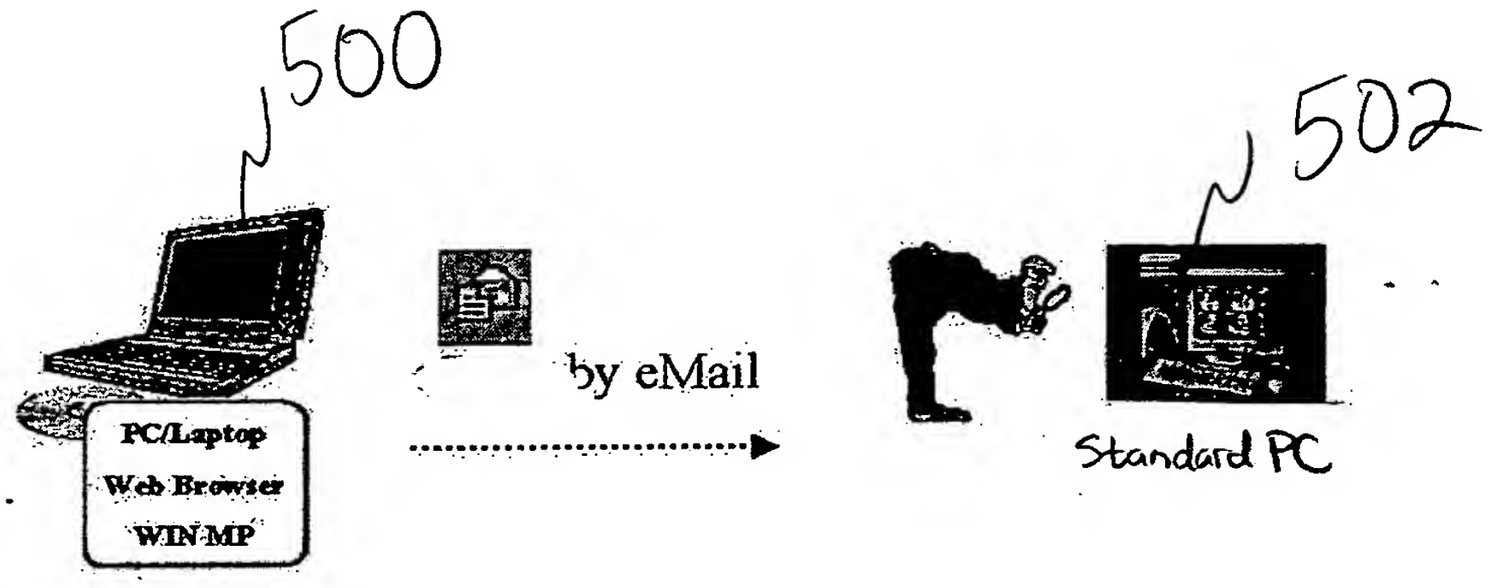


FIG. 9A

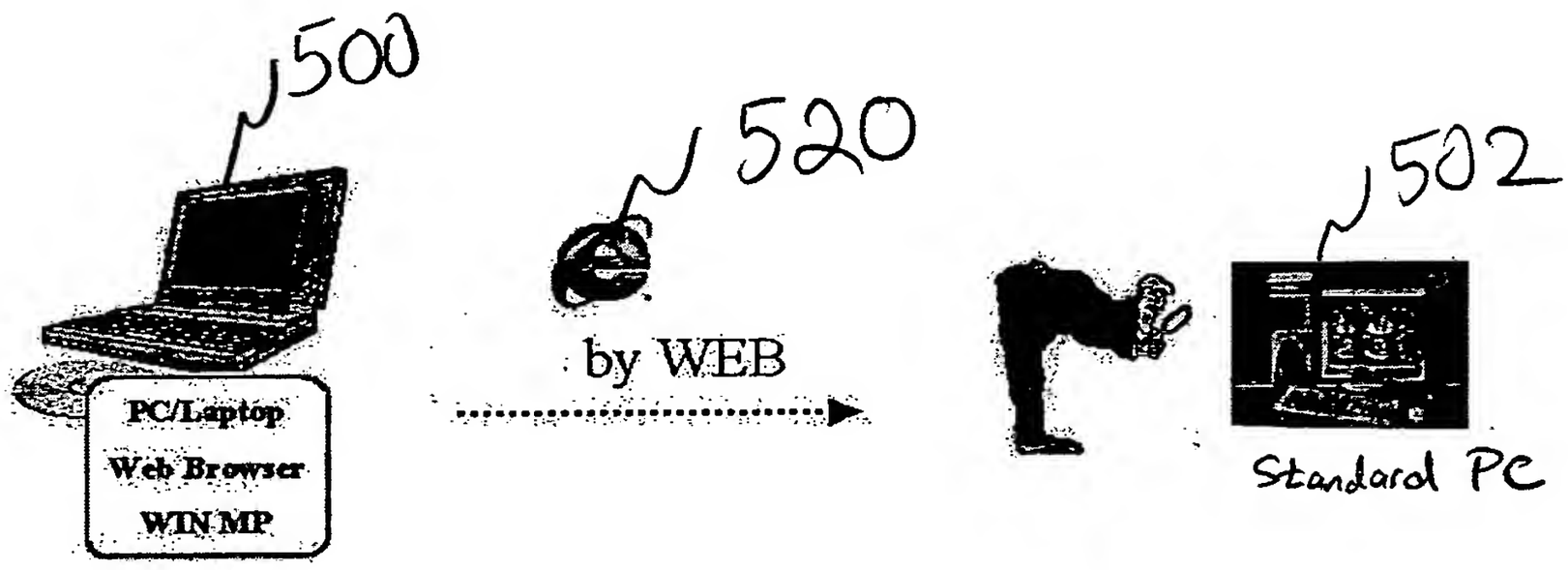


FIG. 9B

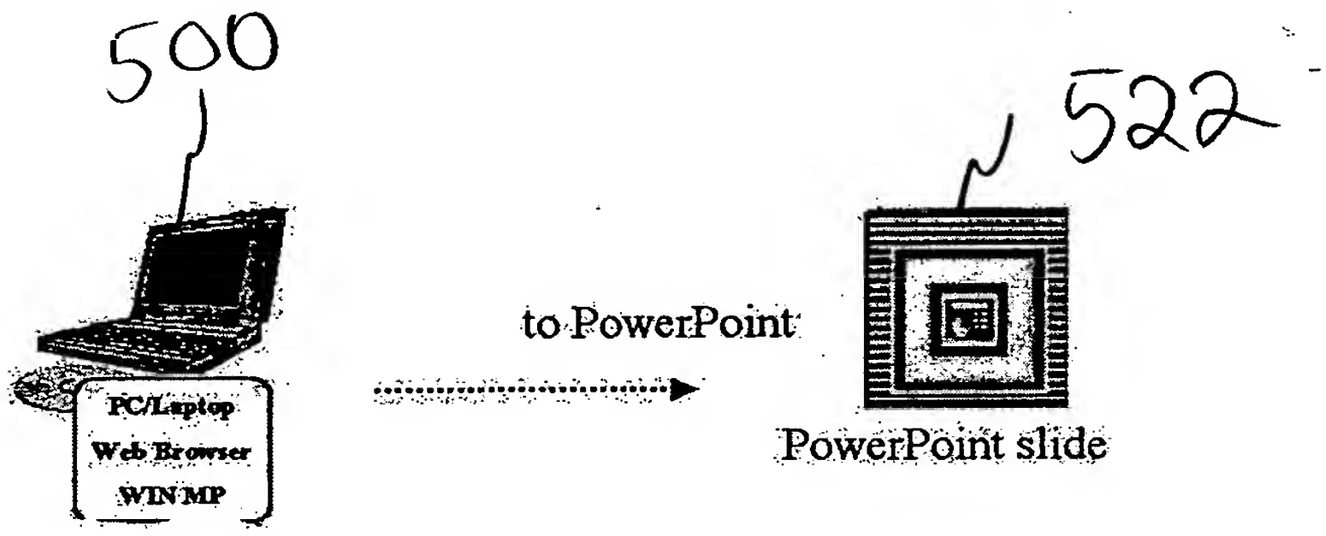


FIG. 9C